

CITY OF NEWTON, MASSACHUSETTS
PURCHASING DEPARTMENT
COMPARISON OF BIDS

INVITATION #13-104
CIP Project 1 Sewer Rehabilitation

Bid Opening: July 3, 2013 - 11:00 AM
Public Works - Fred Russell

Bidders

Base Bid

Alternate 1

Alternate 2

Base Bid + Alternate 1

Base Bid + Alternate 1 and 2

| Green Mountain Pipeline | Insituform Technologies |
|-------------------------|-------------------------|
| \$2,363,230.30 | \$2,823,260.00 |
| | |
| \$1,118,618.00 | \$1,349,654.25 |
| \$3,481,848.30 | \$4,172,914.25 |
| \$1,255,415.00 | \$2,362,190.00 |
| \$4,737,263.30 | \$6,535,104.25 |

Award Recommended To:

Alternate 1

Alternate 2

Department Head

Date

Chief Procurement Officer

Date

Mayor or his designee

Date

NOTES REGARDING SUBMITTED BIDS

| Bidders | QTY | Green Mountain Pipeline | | Insituform Technologies | |
|--|-------|-------------------------|--------------|-------------------------|--------------|
| BASE BID | | Unit Price | Annual | Unit Price | Annual |
| Sewers Complete in Place | | | | | |
| 6-inch PVC sewers, per linear foot | 10 | \$1,485.00 | \$14,850.00 | \$730.00 | \$7,300.00 |
| 8-inch PVC sewers, per linear foot | 174 | \$1,485.00 | \$258,390.00 | \$785.00 | \$136,590.00 |
| Controlled density fill, per cubic yard | 85 | \$185.00 | \$15,725.00 | \$100.00 | \$8,500.00 |
| Building Connection Systems | | | | | |
| 2 wyes or tees 8x6 inch wye or tee branches for PVC PIPE EACH | 2 | \$2,750.00 | \$5,500.00 | \$5,050.00 | \$10,100.00 |
| 1 wyes or tees 10x6 inch wye or tee branches for PVC PIPE EACH | 1 | \$2,750.00 | \$2,750.00 | \$5,050.00 | \$5,050.00 |
| 6-inch sewer chimneys, per vertical foot | 6 | \$1,725.00 | \$10,350.00 | \$170.00 | \$1,020.00 |
| 6-inch PVC building connections, per linear foot | 74 | \$660.00 | \$48,840.00 | \$85.00 | \$6,290.00 |
| Underdrains Complete in Place | | | | | |
| 4-inch PVC underdrains, per linear foot | 41 | \$605.00 | \$24,805.00 | \$335.00 | \$13,735.00 |
| 6-inch PVC underdrains, per linear foot | 10 | \$650.00 | \$6,500.00 | \$335.00 | \$3,350.00 |
| Sewer Manholes and Appurtenances | | | | | |
| Precast concrete manhole base with standard frame and cover, 4.0 ft. diameter, per manhole | 1 | \$7,950.00 | \$7,950.00 | \$6,000.00 | \$6,000.00 |
| Precast concrete manhole walls and cone, 4.0 ft. diameter, per vertical foot | 8 | \$1,075.00 | \$8,600.00 | \$200.00 | \$1,600.00 |
| Additional Earthwork | | | | | |
| Earth excavation and backfill below normal grade, per cubic yard | 50 | \$10.00 | \$500.00 | \$60.00 | \$3,000.00 |
| Test pits, per cubic yard | 100 | \$28.00 | \$2,800.00 | \$100.00 | \$10,000.00 |
| Additional crushed stone, per cubic yard | 50 | \$1.00 | \$50.00 | \$30.00 | \$1,500.00 |
| Additional gravel, per cubic yard | 50 | \$1.00 | \$50.00 | \$25.00 | \$1,250.00 |
| Additional concrete encasement, per cubic yard | 25 | \$1.00 | \$25.00 | \$285.00 | \$7,125.00 |
| Pavement Replacement | | | | | |
| Temporary trench width pavement (2-inches thick), per linear foot | 230 | \$1.00 | \$230.00 | \$25.00 | \$5,750.00 |
| Permanent base course trench width pavement (2 1/2-inches thick), per linear foot | 90 | \$75.00 | \$6,750.00 | \$28.00 | \$2,520.00 |
| Permanent binder course trench width pavement (2 1/2-inches thick), per linear foot | 230 | \$75.00 | \$17,250.00 | \$28.00 | \$6,440.00 |
| Permanent top course trench width pavement (1 1/2-inches thick), per linear foot | 230 | \$75.00 | \$17,250.00 | \$28.00 | \$6,440.00 |
| Additional pavement, per ton | 20 | \$225.00 | \$4,500.00 | \$170.00 | \$3,400.00 |
| Water and Drain Reconstruction | | | | | |
| Water and drain reconstruction within sewer trench limits, per reconstruction | 8 | \$1,185.00 | \$9,480.00 | \$1,800.00 | \$14,400.00 |
| Cleaning, Inspection, Testing, and Sealing of Sewers | | | | | |
| Cleaning & Inspection of 6-inch sewers, per linear foot | 141 | \$1.00 | \$141.00 | \$25.00 | \$3,525.00 |
| Cleaning & Inspection of 8-inch sewers, per linear foot | 906 | \$1.00 | \$906.00 | \$20.00 | \$18,120.00 |
| Testing of 6-inch joints, per joint | 70 | \$15.00 | \$1,050.00 | \$6.00 | \$420.00 |
| Testing of 8-inch joints, per joint | 302 | \$15.00 | \$4,530.00 | \$6.00 | \$1,812.00 |
| Sealing of 6-inch joints, per joint | 35 | \$8.00 | \$280.00 | \$8.00 | \$280.00 |
| Sealing of 8-inch joints, per joint | 151 | \$8.00 | \$1,208.00 | \$8.00 | \$1,208.00 |
| Sewer Line and Manhole Chemical Root Treatment | | | | | |
| Chemical root treatment of 6-inch sewers, per linear foot | 303 | \$2.00 | \$606.00 | \$2.00 | \$606.00 |
| Chemical root treatment of 8-inch sewers, per linear foot | 14964 | \$2.00 | \$29,928.00 | \$2.00 | \$29,928.00 |
| Chemical root treatment of 10-inch sewers, per linear foot | 1599 | \$2.00 | \$3,198.00 | \$2.00 | \$3,198.00 |
| Chemical root treatment of 12-inch sewers, per linear foot | 234 | \$2.00 | \$468.00 | \$2.25 | \$526.50 |
| Chemical root treatment of 15-inch sewers, per linear foot | 78 | \$3.00 | \$234.00 | \$4.00 | \$312.00 |
| Chemical root treatment of 36-inch sewers, per linear foot | 305 | \$7.00 | \$2,135.00 | \$8.00 | \$2,440.00 |
| Chemical root treatment of manholes, per manhole | 13 | \$145.00 | \$1,885.00 | \$140.00 | \$1,820.00 |
| Cured-in-Place Short Liners | | | | | |
| Cured-in-place short liner for 8-inch sewers, per linear foot | 9 | \$365.00 | \$3,285.00 | \$400.00 | \$3,600.00 |
| Cured-in-place short liner for 12-inch sewers, per linear foot | 3 | \$435.00 | \$1,305.00 | \$550.00 | \$1,650.00 |

| Bidders | | Green Mountain Pipeline | | Insituform Technologies | |
|--|-------|-------------------------|--------------|-------------------------|--------------|
| Structural Cured-in-Place Short Liners | | Unit Price | Annual | Unit Price | Annual |
| Structural Cured-in-place short liner for 8-inch sewers, per linear foot | 9 | \$365.00 | \$3,285.00 | \$400.00 | \$3,600.00 |
| Cured-in-Place Pipe | | | | | |
| Cured-in-place pipe for 6-inch sewers, per linear foot | 532 | \$31.00 | \$16,492.00 | \$55.00 | \$29,260.00 |
| Cured-in-place pipe for 8-inch sewers, per linear foot | 25508 | \$27.00 | \$688,716.00 | \$35.00 | \$892,780.00 |
| Cured-in-place pipe for 10-inch sewers, per linear foot | 2547 | \$29.00 | \$73,863.00 | \$42.00 | \$106,974.00 |
| Cured-in-place pipe for 12-inch sewers, per linear foot | 232 | \$31.00 | \$7,192.00 | \$42.00 | \$9,744.00 |
| Reinstate service connections, per service | 401 | \$535.00 | \$214,535.00 | \$650.00 | \$260,650.00 |
| Structural Cured-in-Place Pipe | | | | | |
| Structural cured-in-place pipe for 8-inch sewers, per linear foot | 2005 | \$27.00 | \$54,135.00 | \$43.00 | \$86,215.00 |
| Structural cured-in-place pipe for 12-inch sewers, per linear foot | 250 | \$31.00 | \$7,750.00 | \$42.00 | \$10,500.00 |
| Structural cured-in-place pipe for 18-inch sewers, per linear foot | 252 | \$73.00 | \$18,396.00 | \$88.00 | \$22,176.00 |
| Reinstate service connections, per service | 41 | \$535.00 | \$21,935.00 | \$650.00 | \$26,650.00 |
| Service Connection Rehabilitation | | | | | |
| Cutting of protruding service connections, per service | 1 | \$500.00 | \$500.00 | \$400.00 | \$400.00 |
| Inspect and test service connection, per service | 21 | \$505.00 | \$10,605.00 | \$280.00 | \$5,880.00 |
| Grout service connection, per service | 21 | \$30.00 | \$630.00 | \$400.00 | \$8,400.00 |
| Sewer Manhole Rehabilitation | | | | | |
| Cementitious lining of manholes, per vertical foot | 3149 | \$91.00 | \$286,559.00 | \$150.00 | \$472,350.00 |
| Furnish and install manhole frame and cover, per frame and cover | 15 | \$1,755.00 | \$26,325.00 | \$1,650.00 | \$24,750.00 |
| Build manhole bench and invert, per bench and invert | 17 | \$735.00 | \$12,495.00 | \$1,800.00 | \$30,600.00 |
| Furnish and install manhole inflow dish, per inflow dish | 34 | \$55.00 | \$1,870.00 | \$175.00 | \$5,950.00 |
| Sealing of Underdrain Access Ports | | | | | |
| Seal cavern and redirect access port, per location | 26 | \$1,635.00 | \$42,510.00 | \$2,700.00 | \$70,200.00 |
| Redirect access port, per access port redirected | 35 | \$1,335.00 | \$46,725.00 | \$3,700.00 | \$129,500.00 |
| Seal access port, per access port | 14 | \$995.00 | \$13,930.00 | \$700.00 | \$9,800.00 |
| Cleaning and Inspection of Sewers | | | | | |
| Cleaning and inspection of sewers, per linear foot | 5014 | \$1.00 | \$5,014.00 | \$3.75 | \$18,802.50 |
| Post Construction Flow Isolation | | | | | |
| Post construction flow isolation of sewers, per linear foot | 32373 | \$0.60 | \$19,423.80 | \$1.00 | \$32,373.00 |
| Allowances for Services of Uniformed Officers | | | | | |
| Uniformed officers for traffic control, per hour | 4200 | \$49.50 | \$207,900.00 | \$49.50 | \$207,900.00 |
| Mobilization | | | | | |
| Mobilization, lump sum (not more than 5% of Items 1 to 18) | 1 | \$68,140.50 | \$68,140.50 | \$27,000.00 | \$27,000.00 |
| TOTAL BASE BID ITEMS 1-20 | | \$2,363,230.30 | | \$2,823,260.00 | |

| Bidders | | Green Mountain Pipeline | | Insituform Technologies | |
|---|-------|-------------------------|--------------|-------------------------|--------------|
| ALTERNATE BID NO. 1 (Items 21 to 38) Sewers Complete in Place | | Unit Price | Annual | Unit Price | Annual |
| 8-inch PVC sewers, per linear foot | 77 | \$1,485.00 | \$114,345.00 | \$785.00 | \$60,445.00 |
| 10-inch PVC sewers, per linear foot | 10 | \$1,485.00 | \$14,850.00 | \$785.00 | \$7,850.00 |
| Controlled density fill, per cubic yard | 33 | \$185.00 | \$6,105.00 | \$100.00 | \$3,300.00 |
| Building Connection Systems | | | | | |
| 2 wyes or tees 8x6 inch wye or tee branches for PVC pipe each | 2 | \$2,750.00 | \$5,500.00 | \$5,050.00 | \$10,100.00 |
| 1 wyes or tees 10x6 inch wye or tee branches for PVC pipe each | 1 | \$2,750.00 | \$2,750.00 | \$5,050.00 | \$5,050.00 |
| 6-inch sewer chimneys, per vertical foot | 6 | \$1,725.00 | \$10,350.00 | \$170.00 | \$1,020.00 |
| 6-inch PVC building connections, per linear foot | 61 | \$660.00 | \$40,260.00 | \$85.00 | \$5,185.00 |
| Underdrains Complete in Place | | | | | |
| 4-inch PVC underdrains, per linear foot | 20 | \$605.00 | \$12,100.00 | \$335.00 | \$6,700.00 |
| 6-inch PVC underdrains, per linear foot | 10 | \$650.00 | \$6,500.00 | \$335.00 | \$3,350.00 |
| 10-inch PVC underdrains, per linear foot | 10 | \$650.00 | \$6,500.00 | \$335.00 | \$3,350.00 |
| 8x4 inch wye or tee branches for PVC pipe, each | 2 | \$2,750.00 | \$5,500.00 | \$5,050.00 | \$10,100.00 |
| 4-inch PVC underdrain building connections, per linear foot | 43 | \$660.00 | \$28,380.00 | \$84.00 | \$3,612.00 |
| Additional Earthwork | | | | | |
| Earth excavation and backfill below normal grade, per cubic yard | 50 | \$10.00 | \$500.00 | \$56.00 | \$2,800.00 |
| Test pits, per cubic yard | 100 | \$28.00 | \$2,800.00 | \$84.00 | \$8,400.00 |
| Additional crushed stone, per cubic yard | 50 | \$1.00 | \$50.00 | \$28.00 | \$1,400.00 |
| Additional gravel, per cubic yard | 50 | \$1.00 | \$50.00 | \$22.00 | \$1,100.00 |
| Additional concrete encasement, per cubic yard | 25 | \$1.00 | \$25.00 | \$280.00 | \$7,000.00 |
| Pavement Replacement | | | | | |
| Temporary trench width pavement (2-inches thick), per linear foot | 129 | \$1.00 | \$129.00 | \$22.00 | \$2,838.00 |
| Permanent base course trench width pavement (2 1/2-inches thick), per linear foot | 10 | \$75.00 | \$750.00 | \$28.00 | \$280.00 |
| Permanent binder course trench width pavement (2 1/2-inches thick), per linear foot | 129 | \$75.00 | \$9,675.00 | \$28.00 | \$3,612.00 |
| Permanent top course trench width pavement (1 1/2-inches thick), per linear foot | 129 | \$75.00 | \$9,675.00 | \$22.00 | \$2,838.00 |
| Additional pavement, per ton | 20 | \$225.00 | \$4,500.00 | \$170.00 | \$3,400.00 |
| Water and Drain Reconstruction | | | | | |
| Water and drain reconstruction within sewer trench limits, per reconstruction | 5 | \$1,185.00 | \$5,925.00 | \$1,800.00 | \$9,000.00 |
| Cleaning, Inspection, Testing, and Sealing of Sewers | | | | | |
| Cleaning & Inspection of 8-inch sewers, per linear foot | 840 | \$1.00 | \$840.00 | \$18.00 | \$15,120.00 |
| Testing of 8-inch joints, per joint | 280 | \$15.00 | \$4,200.00 | \$6.00 | \$1,680.00 |
| Sealing of 8-inch joints, per joint | 140 | \$8.00 | \$1,120.00 | \$7.50 | \$1,050.00 |
| Sewer Line and Manhole Chemical Root Treatment | | | | | |
| Chemical root treatment of 6-inch sewers, per linear foot | 1509 | \$2.00 | \$3,018.00 | \$2.00 | \$3,018.00 |
| Chemical root treatment of 8-inch sewers, per linear foot | 6902 | \$2.00 | \$13,804.00 | \$2.00 | \$13,804.00 |
| Chemical root treatment of 10-inch sewers, per linear foot | 308 | \$2.00 | \$616.00 | \$2.00 | \$616.00 |
| Chemical root treatment of 12-inch sewers, per linear foot | 1161 | \$2.00 | \$2,322.00 | \$2.25 | \$2,612.25 |
| Chemical root treatment of manholes, per manhole | 3 | \$145.00 | \$435.00 | \$140.00 | \$420.00 |
| Cured-in-Place Short Liners | | | | | |
| Cured-in-place short liner for 8-inch sewers, per linear foot | 12 | \$365.00 | \$4,380.00 | \$400.00 | \$4,800.00 |
| Cured-in-Place Pipe | | | | | |
| Cured-in-place pipe for 6-inch sewers, per linear foot | 1887 | \$31.00 | \$58,497.00 | \$39.00 | \$73,593.00 |
| Cured-in-place pipe for 8-inch sewers, per linear foot | 10641 | \$27.00 | \$287,307.00 | \$35.00 | \$372,435.00 |
| Cured-in-place pipe for 10-inch sewers, per linear foot | 972 | \$29.00 | \$28,188.00 | \$45.00 | \$43,740.00 |
| Cured-in-place pipe for 12-inch sewers, per linear foot | 2235 | \$31.00 | \$69,285.00 | \$50.00 | \$111,750.00 |
| Reinstate service connections, per service | 170 | \$465.00 | \$79,050.00 | \$700.00 | \$119,000.00 |
| Structural Cured-in-Place Pipe | | | | | |
| Structural Cured-in-place pipe for 6-inch sewers, per linear foot | 650 | \$ 31.00 | \$20,150.00 | \$39.00 | \$25,350.00 |
| Structural Cured-in-place pipe for 8-inch sewers, per linear foot | 1448 | \$ 27.00 | \$39,096.00 | \$45.00 | \$65,160.00 |
| Structural Cured-in-place pipe for 10-inch sewers, per linear foot | 111 | \$ 29.00 | \$3,219.00 | \$70.00 | \$7,770.00 |
| Structural Cured-in-place pipe for 12-inch sewers, per linear foot | 387 | \$ 31.00 | \$11,997.00 | \$90.00 | \$34,830.00 |
| Reinstate service connections, per service | 43 | \$ 465.00 | \$19,995.00 | \$700.00 | \$30,100.00 |
| Service Connection Rehabilitation | | | | | |
| Cutting of protruding service connections, per service | 7 | \$ 500.00 | \$3,500.00 | \$400.00 | \$2,800.00 |
| Inspect and test service connection, per service | 1 | \$ 435.00 | \$435.00 | \$280.00 | \$280.00 |
| Grout service connection, per service | 1 | \$ 30.00 | \$30.00 | \$400.00 | \$400.00 |

| Bidders | | Green Mountain Pipeline | | Insituform Technologies | |
|--|-------|-------------------------|--------------|-------------------------|----------------|
| Sewer Manhole Rehabilitation | | Unit Price | Annual | Unit Price | Annual |
| Cementitious lining of manholes, per vertical foot | 462 | \$91.00 | \$42,042.00 | \$160.00 | \$73,920.00 |
| Furnish and install manhole frame and cover, per frame and cover | 3 | \$1,755.00 | \$5,265.00 | \$1,650.00 | \$4,950.00 |
| Build manhole bench and invert, per bench and invert | 3 | \$735.00 | \$2,205.00 | \$1,700.00 | \$5,100.00 |
| Furnish and install manhole inflow dish, per inflow dish | 39 | \$55.00 | \$2,145.00 | \$170.00 | \$6,630.00 |
| Sealing of Underdrain Access Ports | | | | | |
| Seal cavern and redirect access port, per location | 5 | \$1,635.00 | \$8,175.00 | \$2,700.00 | \$13,500.00 |
| Redirect access port, per access port redirected | 1 | \$1,335.00 | \$1,335.00 | \$3,700.00 | \$3,700.00 |
| Seal access port, per access port | 13 | \$995.00 | \$12,935.00 | \$700.00 | \$9,100.00 |
| Install Plug | | | | | |
| Install plug at manhole B072-4, lump sum | 1 | \$1,635.00 | \$1,635.00 | \$3,900.00 | \$3,900.00 |
| Post Construction Flow Isolation | | | | | |
| Post construction flow isolation of sewers, per linear foot | 19171 | \$0.60 | \$11,502.60 | \$1.00 | \$19,171.00 |
| Allowances for Services of Uniformed Officers | | | | | |
| Uniformed officers for traffic control, per hour | 1750 | \$49.50 | \$86,625.00 | \$49.50 | \$86,625.00 |
| Mobilization | | | | | |
| Mobilization, lump sum (not more than 5% of Items 21 to 36) | 1 | \$6,050.40 | \$6,050.40 | \$30,000.00 | \$30,000.00 |
| TOTAL AMOUNT OF ALTERNATE BID NO. 1 (Items 21 to 38) | | \$1,118,618.00 | | \$1,349,654.25 | |
| ALTERNATE BID NO. 2 (Items 39 to 42) | | Unit Price | Annual | Unit Price | Annual |
| Cured-in-Place Lateral Liners | | | | | |
| Cleaning and inspection of laterals in 8 inch to 12-inch diameter mainline, per lateral | 2 | \$990.00 | \$1,980.00 | \$575.00 | \$1,150.00 |
| Cured-in-place lateral liner in 8-inch to 12-inch diameter mainline, 0-5 feet, per lateral | 2 | \$4,150.00 | \$8,300.00 | \$4,500.00 | \$9,000.00 |
| Cured-in-place lateral liner in 8-inch to 12-inch diameter mainline, additional linear footage beyond 5-feet, per linear foot | 50 | \$65.00 | \$3,250.00 | \$45.00 | \$2,250.00 |
| Cleaning and inspection of laterals in 15-inch to 36-inch diameter mainline, per lateral | 79 | \$990.00 | \$78,210.00 | \$560.00 | \$44,240.00 |
| Cured-in-place lateral liner in 15-inch to 36-inch diameter mainline, 0-5 feet, per lateral | 79 | \$10,800.00 | \$853,200.00 | \$15,700.00 | \$1,240,300.00 |
| Cured-in-place lateral liner in 15-inch to 36-inch diameter mainline, additional linear footage beyond 5-feet, per linear foot | 1975 | \$115.00 | \$227,125.00 | \$500.00 | \$987,500.00 |
| Post Construction Flow Isolation | | | | | |
| Post construction flow isolation of sewers per linear foot | 1000 | \$0.60 | \$600.00 | \$3.00 | \$3,000.00 |
| Allowances for Services of Uniformed Officers | | | | | |
| Uniformed officers for traffic control, per hour | 500 | \$49.50 | \$24,750.00 | \$49.50 | \$24,750.00 |
| Mobilization | | | | | |
| Mobilization, lump sum (not more than 5% of Items 39 to 40) | 1 | \$58,000.00 | \$58,000.00 | \$50,000.00 | \$50,000.00 |
| TOTAL AMOUNT OF ALTERNATE BID NO. 2 (Items 39 to 42) | | \$1,255,415.00 | | \$2,362,190.00 | |